



October 31, 2006

Mr. Earl Hayden Shell Chemical LP One Shell Plaza 910 Louisiana Street Houston, TX 77002-4916

RE: Ready for Reuse Determination

Shell Chemical LP - Taft Facility; AI # 583

Hahnville, St. Charles Parish

Dear Mr. Hayden:

The Louisiana Department of Environmental Quality (LDEQ) and the United States Environmental Protection Agency (EPA) Region 6 together have determined that the Shell Chemical LP – Taft Facility (the "Property"), is Ready for Reuse. A Ready for Reuse Determination is an acknowledgement that environmental conditions on the property are protective of human health and the environment based on its current and anticipated future use.

The sixteen (16) acre facility is located at Hahnville, St. Charles Parish, Louisiana, and was developed in 1972 as a polybutylene bulk pellet manufacturing plant. The facility was operated by Shell from 1977 until its closure in 2002. A Louisiana Risk Evaluation/Corrective Action Program (RECAP) assessment of releases of Dowtherm G<sup>TM</sup> (a heat transfer fluid) at the property was conducted, and corrective action for the constituents of this product was implemented to meet industrial use RECAP standards. The Remediation Services Division of the LDEQ granted the facility a determination of No Further Action At This Time (NFA-ATT) on August 31, 2006.

With this Ready for Reuse Determination, LDEQ and EPA Region 6 agree that Shell Chemical LP - Taft Facility has successfully conducted investigation and risk

management activities and the environmental conditions at the Property are protective of human health and the environment based on its current and anticipated future use as a commercial and industrial operation. The Ready for Reuse Basis of Decision is provided as Enclosure 1 to this letter, and a copy of the NFA-ATT is provided as Enclosure 2. Copies of relevant documents may be obtained from LDEQ or the facility at the addresses in Enclosure 3 to this letter.

If conditions at the facility change, including environmental conditions, land use, site receptors, and remedy performance, the current owner/operator will notify LDEQ and it may become necessary to perform additional remediation to ensure continuing protectiveness. The undersigned expressly reserve all rights and authorities to require future action by owners or operators if new or additional information comes to light that impacts this Ready for Reuse Determination, whether such information is known as of this date, or is discovered in the future.

Congratulations on this most noteworthy achievement!

Sincerely yours,

Wilbert Jordan

Assistant Secretary.

Office of Environmental Assessment

Louisiana Department of

**Environmental Quality** 

Carl E. Edlund, P.E.

Director, RCRA

Multimedia Planning and

Permitting Division

EPA Region 6

Enclosure 1: Ready for Reuse Basis of Decision

Enclosure 2: NFA-ATT

Enclosure 3: Agency and Industry Contacts

c: Imaging Operations - SW

#### **ENCLOSURE 1**

# READY FOR REUSE BASIS OF DECISION SHELL CHEMICAL LP, TAFT, LOUISIANA

#### 1.0 INTRODUCTION

The Louisiana Department of Environmental Quality – Environmental Technology Division (LDEQ – ETD) has determined that Shell Chemical L P – Taft Facility, (Shell Chemical) is Ready for Reuse. The Taft facility meets the criteria for a Ready for Reuse determination because the property has been remediated to the extent that the environmental conditions are protective based on its current or planned land use. A description of the current site conditions, background information, and the results of remedial activities at the site are summarized in the following sections.

## 2.0 SITE DESCRIPTION AND SITE HISTORY

The former Shell Chemical Taft plant is located approximately 1 mile south of the Mississippi River in St. Charles Parish near Taft, Louisiana. The Site Location Map is provided as Figure 1. The Taft plant produced polybutylene in bulk pellet form from 1972 through 2002, and was operated by Shell from 1977 until its closure. Surface releases of Dowtherm  $G^{TM}$  (a heat transfer fluid) were reported and site investigations and remediation focused on constituents of this product. A RECAP assessment of the property was conducted and corrective action was implemented to meet industrial use RECAP standards. The Site Plot Plan with Soil Borings, Well Locations, and Excavation Areas is provided as Figure 2. The Remediation Services Division of the LDEQ granted the facility a determination of No Further Action At This Time (NFA-ATT) on August 31, 2006. A copy of the NFA-ATT is provided as Enclosure 2.

Although structures from historical industrial use are present at the site, the site is currently idle. In the future, the site will continue to be designated for industrial use. A conveyance notice was filed on August 14, 2006 in the St. Charles Parish Clerk of Court's Office following completion of remediation activities that identifies the future site land use as industrial. Additionally, the notice was filed in the St. Charles Parish mortgage records on August 22, 2006, as the site was closed under the solid waste

regulations of Title 33 of the Louisiana Administrative Code. Conveyance information is provided with the NFA-ATT in Enclosure 2.

# 3.0 ASSESSMENT, RISK CHARACTERIZATION, AND REMEDIAL ACTIONS

Soil and groundwater assessments at the former Taft Plant were conducted to address potential groundwater impacts of Dowtherm G<sup>TM</sup>. A chronological list of corrective action activities including site assessment, risk characterization, and remedial actions is summarized as follows:

- In the mid-1980's, Shell installed 20 shallow groundwater assessment wells to determine if the component constituents of Dowtherm G<sup>TM</sup> had impacted groundwater underlying the site. Groundwater samples from these wells have been collected and analyzed for total petroleum hydrocarbons (TPH), volatile organic compounds (VOC), and semi-volatile organic compounds (SVOC) since 1988.
- In 1990, Shell conducted a Phase I assessment to assess further the distribution of Dowtherm G<sup>TM</sup>, SVOCs, and TPH in soils. Soil borings were drilled to a depth of 50 feet below ground surface and the previously installed monitoring wells were gauged and sampled.
- In 1992, Shell conducted a Phase II assessment to delineate the extent of site constituents in shallow and deep groundwater. This included an evaluation of the hydrogeologic conditions influencing the occurrence and migration of constituents in groundwater and soil. As a result of this investigation, an Interim Measures Plan was submitted to the LDEQ that described the assessment results to date and provided a plan to address the presence of residual DNAPL observed in site monitoring wells (Woodward-Clyde, 1994).

The plan called for the thickness of DNAPL to be gauged on a semiannual basis. If DNAPL were encountered, the DNAPL was removed with a bailer and disposed of in accordance with regulatory requirements. DNAPL gauging and recovery was performed on a quarterly basis until 2003.

- A risk assessment report was prepared in 1993 to evaluate the potential risks due to industrial exposure to chemicals detected on site. The calculated risks were below the USEPA target risk range of 10<sup>-4</sup> to 10<sup>-6</sup> for incremental cancer risk and less than 1 for non-carcinogenic risks.
- In January 1998, Shell submitted a Risk-Based Corrective Action (RBCA) Plan
  for the site. The submittal was consistent with the LDEQ Draft RBCA program.
  The RBCA Plan concluded that groundwater impacts did not require further
  corrective action.
- In September 2003 and April 2004, Shell provided an updated RECAP assessment and addendum, respectively, to LDEQ in response to LDEQ comments on previous submittals (URS, 2003; GeoSyntec 2004). The RECAP Addendum included a DNAPL Source Characterization and Recovery Plan to improve the characterization and delineation of the soil residual DNAPL source. LDEQ provided a conditional approval of the RECAP addendum requesting that additional soil and groundwater sampling be included in the DNAPL Source Characterization and Recovery Plan.
- In 2005, a soil investigation in the vicinity of wells with measurable DNAPL (MW-5, MW-11, and MW-19) was conducted to refine the delineation of residual DNAPL in soil. In addition, all monitoring wells were gauged for the presence of DNAPL and a subset of existing wells and a temporary well located between MW-11 and MW-19 were sampled for VOCs and SVOCs.

A DNAPL gauging and recovery program was also conducted during 2005. On a quarterly basis, DNAPL was routinely recovered from only three shallow monitoring wells: MW-5, MW-11, and MW-19. The recovery amounts were documented and reported to LDEO.

The results from these sampling programs indicated that DNAPL in groundwater and saturating the soil in the area of the three wells with DNAPL (MW-5, MW-11, and MW-19) was the sole medium at the site that exceeded site RECAP standards.

• In 2006, an investigation was conducted in the immediate vicinity of the above mentioned wells to refine the residual DNAPL delineation in the shallow-zone groundwater. The results of this investigation were used to identify the soils to be excavated for site remediation. The excavation was conducted in July 2006 and documented in the DNAPL Remediation Report (GeoSyntec, 2006c).

In August of 2006, Shell submitted conveyance notification documentation to the St. Charles Clerk of Court's office to maintain the designation of industrial/commercial use at the property and to indicate that closure was completed under the solid waste regulations. The Remediation Services Division of the LDEQ granted the facility a determination of No Further Action At This Time (NFA-ATT) on August 31, 2006.

#### 4.0 CHEMICALS OF CONCERN AND SUMMARY OF SITE CONDITONS

Previous investigations and assessment reports (RECAP September 18, 2003 Addendum [GeoSyntec, 2004], and DNAPL and Residual COC Characterization Report [GeoSyntec, 2005]) demonstrated that residual concentrations of COCs in soil and groundwater in areas that do not contain residual DNAPL are below Management Option 1 (MO-1) RECAP standards and do not present an unacceptable risk to human health or the environment. The LDEQ-approved MO-1 RECAP standards presented in the RECAP reports assume commercial/industrial use at the site. The July 2006 remediation activities, which consisted of excavation in the areas of monitoring wells MW-5, MW-11, and MW-19, resulted in the removal of all media exceeding the MO-1 standards. Residual concentrations of site COCs that exceed residential standards, along with the sampling location and the maximum reported concentration remaining on-site, are summarized in Table 1.

## 5.0 SUPPORTING DOCUMENTATION

A summary of relevant documents related to site investigation, risk assessment, and remediation activities at the Shell Taft Facility is provided in Table 2. Directly relevant documents are identified in the References section below.

### 6.0 REFERENCES

- GeoSyntec. 2006a. Groundwater DNAPL Delineation Work Plan. Submitted on behalf of Shell Chemical LP, March 2006.
- GeoSyntec. 2006b. Groundwater DNAPL Delineation Report. Submitted on behalf of Shell Chemical LP, May 2006.
- GeoSyntec. 2006c. DNAPL Remediation Report. Submitted on behalf of Shell Chemical LP, August 2006.
- GeoSyntec. 2005. DNAPL and Residual COC Characterization Report. Submitted on behalf of Shell Chemical LP, May 2005.
- GeoSyntec. 2004. RECAP September 18, 2003 Report Addendum. Submitted on behalf of Shell Chemical LP, July 2004.

# LIST OF TABLES

Table 1: Summary of Constituents Remaining at Site

Table 2: Document Summary - Shell Taft

Table 1 Summary of Constituents Remaining at Site

|                             |       | Maximum Concentration |          | RECAP MO-1 |
|-----------------------------|-------|-----------------------|----------|------------|
| Compound                    | Units | Remaining On-Site     | Location | Standard   |
| 1SOIL                       |       |                       |          |            |
| *Diesel range organics      | mg/kg | 3200                  | MW5-CS2  | 10000      |
| "Biphenyl phenyl ether      | mg/kg | 160                   | MW19-CS4 | 1100       |
| *Diphenyl ether             | mg/kg | 580                   | MW5-CS4  | 1100       |
| <sup>2</sup> GROUNDWATER    |       |                       |          |            |
| Diesel range organics       | mg/L  | 4.62                  | SW-5     | 5280       |
| Gasoline range organics     | mg/L  | 0.555                 | MW-15    | 6820       |
| Biphenyl phenyl ether       | mg/L  | 0.61                  | MW-10    | 21         |
| Diphenyl ether              | mg/L  | 0.0737                | MW-13    | 21         |
| Di-isopropyl ether          | mg/L  | 0.345                 | MW-15    | 2420       |
| Bis(2-ethyl-hexyl)phthalate | mg/L  | 0.018                 | DW-01    | 0.07       |

Notes

mg/kg = milligrams per kilogram

mg/L = milligrams per liter

<sup>1</sup> Maximum detected concentration of soil is based on analytical results for site borings that were not excavated as part of remedial activities.

Maximum concentration allowable under RECAP

\* MO-1 standard based on soil saturation value.

<sup>2</sup> Maximum detected concentration reported in most recent sampling of site monitoring wells in which DNAPL was not observed. MO-1 standards based on GW-3 non-drinking water groundwater classification.

Table includes constituents with concentrations that exceeded published RECAP non-industrial screening standards.

#### Table 2 Document Summary - Shell Taft

| Date       | Classification         | Author         | Document Title/Description   | Media/CD#   | EDMS Doc# |
|------------|------------------------|----------------|--|-------------|-----------|
| 1989       | Report                 | Law            | Preliminary Site Assessment - Shell Chemical Company Taft, Louisiana   | Unavailable | Unknown   |
| 1993       | Report                 | Woodward-Clyde | Human Health Risk Assessment - Shell Chemical Company Taft,<br>Louisiana   | Unavailable | Unknown   |
| 3/22/1990  | Notes                  | LDEQ           | Notes by Steve Hanson of LDEQ re: telephone conversation w/ Shell notifying LDEQ of Dowtherm release at Taft plant   | 2           | 1649056   |
| 4/4/1990   | Letter                 | Shell          | Confirmation of verbal notification of Dowtherm release at Taft plant  | 2           | 1649050   |
| May-90     | Report                 | Ecotech        | Subsurface Soil Investigation of the Polybutylene Plant Taft, Louisiana (only report cover page included in NDMS files)  | 2           | 1649047   |
| May-90     | Report                 | Ecotech        | Subsurface Soil Investigation of the Polybutylene Plant Taft, Louisiana  | Hard copy   | 1654697   |
| 5/3/1990   | Letter                 | Shell          | Review of 3/23/90 telephone conversation w/ LDEQ   | 2           | 1649043   |
| 7/2/1990   | Letter                 | Shell          | Summary of 6/27/90 meeting with LDEQ   | 2           | 1649031   |
| 8/13/1990  | Letter                 | LDEQ           | Phase II assessment requested for additional horizontal and vertical delineation   | 2           | 8295134   |
| 9/21/1990  | Report                 | Shell          | Report in letter form re: Soil & groundwater contamination delineation, saturated zone characterization, and risk/exposure assessment.  Contains recommendations for further delineation activities. | 2           | 1649023   |
| 1/8/1991   | Letter                 | LDEQ           | Conditional approval of Phase II Subsurface Assessment Plan granted  | 2           | 1649020   |
| 4/22/1991  | Letter                 | Shell          | Proposal to revise sampling requirements dictated by LDEQ in letter dated 1/8/91   | 2           | 1649018   |
| 2/21/1992  | Letter                 | LDEQ           | Outline of previous conditional approval stipulations for Phase II<br>Subsurface Site Assessment   | 2           | 1649014   |
| 2/21/1992  | Letter                 | Shell          | Request for written confirmation of Phase II Site Assessment proposal  | 2           | 1649016   |
| 2/10/1993  | Report                 | Woodward-Clyde | Final Report: Phase II Groundwater and Soil Assessment   | 2           | 1654023   |
| 6/17/1993  | Letter                 | Shell          | Summary of 1990 Phase II assessment  | 2           | 1648973   |
| 6/19/1993  | Letter                 | Woodward-Clyde | Notification of commencement of well installation activities   | 2           | 1648992   |
| 10/26/1993 | Letter                 | LDEQ           | Additional plume delineation of DNAPL required before corrective action can be considered  | 2           | 1648972   |
| 1/19/1994  | Letter                 | Shell          | Clarification of Phase II Groundwater and Soil Assesment of June 1993  | 2           | 1657170   |
| 4/28/1994  | Letter                 | Shell          | Groundwater monitoring summary 1986-1990   | 2           | 1657142   |
| 5/24/1994  | Inspection report form | LDEQ           | GWPD NAPL monitoring inspection  | 2           | 1657133   |
| Jun-94     | Report                 | Woodward-Clyde | Final Report: Risk/Exposure Site Management Plan. Describes the groundwater monitoring program for the Shell - Taft facility.  | 2           | 1654797   |
| 6/1/1994   | Letter                 | Shell          | Description of monitoring well construction  | 2           | 1657127   |
| Jun-94     | Report                 | Woodward-Clyde | Interim Measures Plan - Shell Chemical Company Taft, Louisiana   | Hard copy   | 1654787   |

### Table 2 Document Summary - Shell Taft

| Date       | Classification         | Author         | Document Title/Description   | Media/CD# | EDMS Doc# |
|------------|------------------------|----------------|--|-----------|-----------|
| 4/24/1995  | Letter                 | LDEQ           | Approval for installation of 2 perimeter monitoring wells  | 2         | 1657110   |
| 5/11/1995  | Letter                 | Woodward-Clyde | Notification of field work dates   | 2         | 1657109   |
| 5/24/1995  | Inspection report form | LDEQ           | Summarizes GWPD NAPL monitoring meeting with Shell and consultants   | 2         | 1657107   |
| Nov-95     | Report                 | Woodward-Clyde | Final Report: Risk/Exposure Site Management Program Semiannual<br>Groundwater Monitoring Report, June 1995 Monitoring Event              | 2         | 1646820   |
| 5/29/1996  | Inspection report form | LDEQ           | GWPD NAPL monitoring inspection  | 2         | 1657102   |
| 6/3/1996   | Report                 | Woodward-Clyde | Final Report: Risk/Exposure Site Management Program Semiannual<br>Groundwater Monitoring Report, November-December 1995 Event            | 2         | 1654298   |
| 6/16/1997  | Inspection report form | LDEQ           | GWPD NAPL monitoring inspection  | 2         | 1657075   |
| 8/6/1997   | Inspection report form | LDEQ           | GWPD NAPL monitoring inspection  | 2         | 1657094   |
| 6/25/1998  | Inspection report form | LDEQ           | GWPD NAPL monitoring inspection  | 2         | 1657080   |
| 6/12/2000  | Inspection report form | LDEQ           | Groundwater inspection report  | 2         | 9890786   |
| 11/9/2000  | Letter                 | Shell          | 90-day extension requested for response to 9/1/00 NOD for Risk Based Corrective Action Plan dated 1/21/98                                | 2         | 13970796  |
| 11/30/2000 | Letter                 | LDEQ           | 90-day extension requested 11/9/00 granted   | 2         | 14779469  |
| 6/28/2001  | Letter                 | Shell          | Additional 30 day requested extension for response to 9/1/00 NODs for RCBA Plan dated 1/21/98  | 2         | 19258776  |
| 7/12/2001  | Letter                 | LDEQ           | 30 day extension requested 6/29/01 granted   | 2         | 19444822  |
| 8/14/2001  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana; Vol II                             | 2         | 20070283  |
| 8/14/2001  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana; Vol I part 1                       | 2         | 20071508  |
| 8/14/2001  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana; Vol I part 2                       | 2         | 20071614  |
| 8/14/2001  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana; Vol unknown                        | 2         | 20072131  |
| 1/8/2003   | Letter                 | Shell          | Response to LDEQ notice of deficiency for the RECAP Risk Based Corrective Action Plan dated 1/21/98; Risk Exposure Site Management Plan. | 1         | 24874644  |
| 5/27/2003  | Letter                 | Shell          | Request for 30 day extension to address deficiences in NOD received 9/1/00 for Risk Based Corrective Action Plan dated 1/21/98           | 1         | 26992328  |
| 8/21/2003  | Letter                 | LDEQ           | Additional 30 day extension for NOD response requested by Shell of 5/27/03 granted   | 1         | 29063958  |
| 9/18/2003  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. Il of III; Section 1          | 1         | 28593747  |
| 9/18/2003  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. II of III; Section 2          | 1         | 28596596  |
| 9/18/2003  | Report                 | URS            | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. II of III; Section 3          | 1         | 28599241  |

### Table 2 Document Summary - Shell Taft

| Date       | Classification                  | Author    | Document Title/Description   | Media/CD# | EDMS Doc# |
|------------|---------------------------------|-----------|--|-----------|-----------|
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. II of III; Section 4        | 1         | 28601885  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. III of III; Section 1       | 1         | 28934327  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. III of III; Section 2       |           | 28934673  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. III of III; Section 3       | 1         | 28935023  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. III of III; Section 4       | 1         | 28935466  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. I of III; Section 1         | 1         | 29127246  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant, St. Charles Parish LouisianaRECAP report vol. I of III; Section 2 | 1         | 29127624  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. I of III; Section 3         | 1         | 29128249  |
| 9/18/2003  | Report                          | URS       | Risk Evaluation/Corrective Action Program (RECAP), Shell Taft Plant,<br>St. Charles Parish Louisiana. vol. I of III; Section 4         | 1         | 29128535  |
| 7/9/2004   | Report                          | GeoSyntec | RECAP September 18, 2003 Report Addendum Shell Taft Plant St.<br>Charles Parish, Louisiana   | 1         | 31948656  |
| 11/10/2004 | Letter                          | LDEQ      | 7/9/04 responses to NODs for 9/18/03 RECAP Addendum report approved  | 2         | 32499775  |
| 2/23/2005  | Letter                          | Shell     | Notice to LDEQ of commencement of field work for DNAPL Source<br>Characterization and Recovery Plan Addendum                           | 1         | 32685029  |
| 3/8/2005   | Letter                          | LDEQ      | Conditional approval of DNAPL Source Characterization and Recovery Plan Addendum   | 1         | 32725545  |
| 5/27/2005  | Report                          | GeoSyntec | DNAPL & Residual COC Characterization Report, Shell Chemical LP -<br>Taft, Louisiana   | 1         | 32889775  |
| 8/11/2005  | Report                          | Shell     | DNAPL Gauging and Recovery Report - 2nd Quarter 2005, Shell<br>Chemical LP - Taft, Louisiana   | 1         | 33253007  |
| 1/23/2006  | Report                          | Shell     | DNAPL Gauging and Recovery Report - 4th Quarter 2005, Shell<br>Chemical LP - Taft, Louisiana   | 1         | 33849849  |
| 3/17/2006  | Letter                          | LDEQ      | Summary of ready-for-reuse meeting   | 2         | 34082500  |
| 3/30/2006  | Letter                          | LDEQ      | Groundwater DNAPL Delineation Workplan dated 3/30/06 approved  | 2         | 34100734  |
| 5/10/2006  | Report                          | GeoSyntec | Groundwater DNAPL Delineation Report   | 3         | -         |
| 5/17/2006  | Letter                          | LDEQ      | Conditional Approval of Groundwater DNAPL Delineation Report and<br>Corrective Action Work Plan  | 3         | +         |
| 5/22/2006  | Letter                          | GeoSyntec | Plug and Abandonment - Supporting Information  | 3         | -         |
| 6/2/2006   | Meeting<br>Attendance<br>Record | LDEQ      | Meeting to discuss DNAPL Corrective Action, Conveyance<br>Notification/NFA, Water Permit, and Potential VRP                            | 3         | -         |
| 6/6/2006   | Letter                          | LDEQ      | Conveyance Notice Requirements for No Further Action   | 3         |           |
| 8/3/2006   | Report                          | GeoSyntec | Plug and Abandonment Report  | 3         |           |

| Date      | Classification | Author         | Document Title/Description | Media/CD# | EDMS Doc# |
|-----------|----------------|----------------|----------------------------|-----------|-----------|
| 8/14/2006 | Report         | GeoSyntec      | DNAPL Remediation Report   | 3         |           |
|           | Figure         | Woodward-Clyde | Monitoring well locations  | 2         | 18194265  |
|           | Figure         | Woodward-Clyde | Site location              | 2         | 18194389  |
|           | Figure         | Woodward-Clyde | Soil sampling locations    | 2         | 18194391  |
|           | Figure         | Woodward-Clyde | Potentiometric surface map | 2         | 18194388  |
|           | Figure         | Woodward-Clyde | Potentiometric surface map | 2         | 18194399  |
|           | Figure         | Woodward-Clyde | Shallow zone ether isopac  | 2         | 18194400  |

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Figure 1: Site Location Map, Shell Chemical LP – Taft Plant

Figure 2: Site Plot Plan with Soil Borings, Well Locations, and Excavation Areas



